



CALIFORNIA WORKFORCE INVESTMENT BOARD

Workforce Needs for Large Scale Solar Projects

Los Angeles County

Los Angeles County (Los Angeles-Long Beach-Glendale MD)	Current Month July 2010 Labor Market Statistics	2009 Annual Average Labor Market Statistics	2008 Annual Average Labor Market Statistics
Labor Force (Employed & Unemployed)	4,906,300	4,896,100	4,924,500
Employed	4,251,200	4,328,600	4,557,300
Unemployed	655,100	567,500	367,200
Unemployment Rate	13.4%	11.6%	7.5%
Industry Employment related to Solar Industry			
Construction	104,100	116,500	145,200
Utilities	14,100	13,800	13,500

Source: EDD/LMID, Current Employment Statistics, www.labormarketinfo.edd.ca.gov

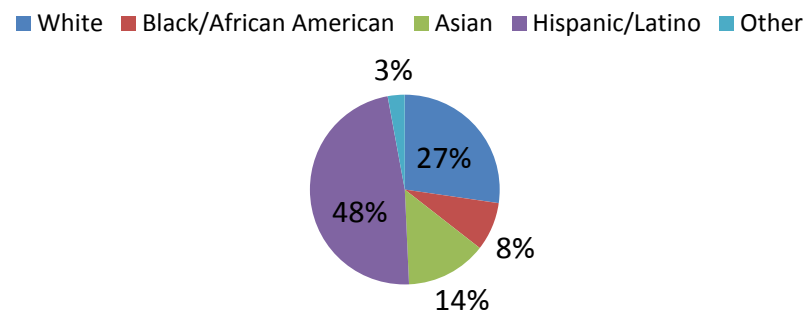
79 Registered Apprenticeship Programs and 9,037 Apprentices in the Construction Industry

Source: Department of Industrial Relations, www.dir.ca.gov, data generated Sep. 13, 2010.

Local Workforce Investment Board

Los Angeles County Workforce & Community Ms.
Services Branch
Josie Marquez, Assistant Director
3175 W. 6 Street
Los Angeles, CA 90020
(213) 738-3175
FAX (619) 528-1151
www.worksourcecalifornia.com

Los Angeles County Demography 2008



Source: Department of Finance, Ethnic Population Estimates, www.dof.ca.gov



CALIFORNIA WORKFORCE INVESTMENT BOARD

Local Resources
Los Angeles County

Burbank WorkForce Connection

301 East Olive Avenue, # 101 Burbank, CA 91502
www.burbankworkforce.org
(818) 238-5627

Carson WorkSource Center

1 Civic Plaza Drive, Suite 500 Carson, CA 90745
www.careerzone.torrenet.com
(310) 518-8100

Cerritos Career Center

10900 E 183rd Street, Suite 350 Cerritos, CA 90703
www.selaco.com
(562) 402-9336

Build WorkSource Center

9207 Eton Avenue Chatsworth, CA 91311
www.buildworksource.com
(818) 701-9800

Compton CareerLink One-Stop Center

700 N. Bullis Rd. Compton, CA 90221
www.comptoncity.org
(310) 605-3050

Central San Gabriel Valley WorkSource Center

11635 E. Valley Blvd., Suite G El Monte, CA 91731
www.Goodwill.org
(626) 258-0365

South Bay One Stop Business and Career Center, Gardena

16801 S. Western Avenue, Suite A Gardena, CA 90247
www.sbwib.org/gardHP.htm
(310) 217-9579

Verdugo Jobs Center

2677 Zoe Avenue, 1st Floor Glendale, CA 91204
www.VerdugoJobs.org
(818) 409-0476

Hub Cities One-Stop Career Center

2677 Zoe Avenue, 1st Floor Huntington Park 90255
www.hubcities.org
(323) 586-4700

South Bay One Stop Business and Career Center, Inglewood

110 South La Brea Avenue, 5th Floor Inglewood, CA 90301
www.sbwib.org
(310) 680-3700

LA Works One-Stop Career Center

5200 Irwindale Ave. Irwindale, CA 91706
www.laworks.org
(626) 960-3964



CALIFORNIA WORKFORCE INVESTMENT BOARD

Local Resources
Los Angeles County

WorkSource California Antelope Valley One-Stop Career Center

1420 West Avenue I Lancaster, CA 93534

www.worksourcecalifornia.com

(661) 726-4128

Center for Working Families

1900 Atlantic Avenue Long Beach, CA 90806

www.longbeachworkforce.org

(562) 570-3700

Career Transition Center

3447 Atlantic Avenue Long Beach, CA 90807

www.pacificgatewayworkforce.com

(562) 570-3700

Youth Opportunity Center

3447 Atlantic Avenue, 2nd Floor Long Beach, CA 90807

www.hireayouth.com

(562) 570-4700

Westlake WorkSource Center

1055 Wilshire Blvd., Ste. 900A Los Angeles, CA 90017

www.westlake-worksource.org

(213) 353-1677

Southeast LA - Watts Worksource Center

10950 South Central Avenue Los Angeles, CA 90059

www.wlcac.org

(323) 563-5682

Los Angeles Urban League WorkSource Business & Career Center

12700 S. Avalon Boulevard Los Angeles, CA 90061

www.laul.org

(323) 600-1106

Downtown WorkSource Center

315 W. 9th Street, #101 Los Angeles, CA 90015

www.worksourcecalifornia.com

(213) 629-5800

Metro-North Los Angeles WorkSource Center

342 San Fernando Road Los Angeles, CA 90031

www.goodwillsocial.org

(323) 539-2000

Wilshire - Metro WorkSource Center

3550 Wilshire Blvd., Suite 500 Los Angeles, CA 90010

www.communitycareer.org

(213) 365-9829



CALIFORNIA WORKFORCE INVESTMENT BOARD

Local Resources Los Angeles County

Southeast LA - Crenshaw WorkSource Center

3965 S. Vermont Avenue Los Angeles, CA 90037
www.worksourcecalifornia.com
(323) 730-7900

Hollywood WorkSource Center

4311 Melrose Ave Los Angeles, CA 90029
www.hollywoodworksource.com
(323) 454-6100

East Los Angeles Employment and Business Center

5301 Whittier Blvd., 2nd Floor Crenshaw Blvd. Los Angeles, CA 90022
www.worksourcecalifornia.com
(323) 887-7122

Los Angeles-Crenshaw – Workforce Services Office

5401 So. Los Angeles, CA 90043
(323) 290-5100

West Adams / Baldwin Hills WorkSource Center

5681 West Jefferson Blvd Los Angeles, CA 90016
www.laul.org
(323) 525-3740

Jewish Vocational Service West Hollywood WorkSource Center

5757 Wilshire Blvd. Promenade Los Angeles, CA 90036
www.jvsla.org
(323) 904-4900

South LA WorkSource Center

7518-26 S. Vermont Ave. Los Angeles, CA 90044
www.cciworksource.org
(323) 752-2115

Chinatown WorkSource Center

767 North Hill Street, # 400 Los Angeles, CA 90012
www.cscla.net
(213) 808-1700

Marina del Rey-West Los Angeles WorkSource Center

13160 Mindanao Way, Suite 240 Marina del Rey, CA 90292
www.worksourcecalifornia.com
(310) 309-6000

Monrovia Adult School

920 S. Mountain Ave. Monrovia, CA 91016
www.monroviaschools.net/adult/adulted.html
(626) 471-3035

Norwalk SELACO/EDD Career Center

12715 Pioneer Bl. Norwalk, CA 90650
www.selaco.com
(562) 929-9112

Northeast San Fernando Valley WorkSource Center

11623 Glenoaks Bl Pacoima, CA 91331
www.wsca.cc
(818) 890-9400



CALIFORNIA WORKFORCE INVESTMENT BOARD

Local Resources Los Angeles County

South Valley Worksource Center

1817 E. Avenue Q, Palmdale, CA 93550
www.goodwillssocal.org
(661) 265-7421

Foothill Employment & Training Connection

1207 E. Green Street Pasadena, CA 91106
www.foothilletc.org
(626) 796-5627

PCC Community Education Center

3035 E. Foothill Blvd. Pasadena, CA 91107
<http://www.pasadena.edu/studentservices/careercenter/>
(626) 585-3000

LA Urban League Pomona WorkSource Center

264 E. Monterey Avenue Pomona, CA 91767
www.laul.org
(909) 623-9741

South Bay One Stop Business and Career Center, Redondo Beach

320 Knob Hill Ave., Suite 8 Redondo Beach, CA 90277
www.sbwib.org
(310) 318-0645

WorkSource California Career Partners

3505 North Hart Avenue Rosemead, CA 91770
www.careerpartners.org
(626) 572-7272

Harbor WorkSource Center

1851 N. Gaffey St., Suite F San Pedro, CA 90731
www.pacificgatewayworkforce.com
(310) 732-5700

City of Santa Clarita WorkSource Center College of the Canyons - University Center

26455 Rockwell Canyon Road #250 Santa Clarita, CA 91355
www.scworksource.com
(661) 799-9675

Partners for Progress/SASSFA**One-Stop Career Center**

10400 Pioneer Blvd. Santa Fe Springs, CA 90670
www.pfpworksource.org
(562) 946-2237

Sun Valley WorkSource Center

9024 Laurel Canyon Blvd. Sun Valley, CA 91352
www.wscalnetwork.org
(818) 504-0334

Torrance - Workforce Services Office

1220 Engracia Avenue Torrance, CA 90501
(310) 782-2101

Van Nuys - North Sherman Oaks WorkSource Center

15400 Sherman Way, Suite 140 Van Nuys, CA 91406
(818) 781-2522

Los Angeles County-(Los Angeles-Long Beach-Glendale)-Staffing Patterns		2010/ 1st QTR Wages		
SOC Code	Occupational Title	May 2009 Employment Estimates	Mean Hourly Wage	Mean Annual Wage
11-1011	Chief Executives	320	101.85	211,839.00
11-1021	General and Operations Managers	2410	78.46	163,196.00
11-2021	Marketing Managers	(3)	74.64	155,257.00
11-2022	Sales Managers	60	87.59	182,183.00
11-3011	Administrative Services Managers	70	45.29	94,202.00
11-3021	Computer and Information Systems Managers	(3)	57.42	119,442.00
11-3031	Financial Managers	210	77.68	161,573.00
11-3061	Purchasing Managers	(3)	62.32	129,641.00
11-9021	Construction Managers	3070	56.47	117,464.00
11-9041	Engineering Managers	30	54.43	113,217.00
11-9141	Property, Real Estate, and Community Association Managers	260	41.23	85,764.00
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	320	31.25	64,998.00
13-1051	Cost Estimators	2250	31.79	66,112.00
13-1071	Employment, Recruitment, and Placement Specialists	(3)	35.89	74,648.00
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	50	37.11	77,195.00
13-1199	Business Operations Specialists, All Other	520	27.11	56,388.00
13-2011	Accountants and Auditors	900	37.81	78,639.00
13-2051	Financial Analysts	40	35.85	74,575.00
15-1041	Computer Support Specialists	70	28.34	58,952.00
15-1061	Database Administrators	(3)	33.80	70,290.00
15-1071	Network and Computer Systems Administrators	60	34.39	71,520.00
15-1081	Network Systems and Data Communications Analysts	(3)	37.09	77,150.00
17-1011	Architects, Except Landscape and Naval	40	39.76	82,699.00
17-2051	Civil Engineers	670	36.54	76,003.00
17-2071	Electrical Engineers	110	31.87	66,299.00
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	(3)	40.10	83,410.00
17-2199	Engineers, All Other	(3)	38.86	80,832.00
17-3011	Architectural and Civil Drafters	300	28.36	58,986.00
17-3012	Electrical and Electronics Drafters	150	30.87	64,209.00
17-3019	Drafters, All Other	30	26.01	54,095.00
17-3022	Civil Engineering Technicians	(3)	28.19	58,631.00
19-3021	Market Research Analysts	60	35.46	73,746.00
23-1011	Lawyers	(3)	53.89	112,087.00

Los Angeles County-(Los Angeles-Long Beach-Glendale)-Staffing Patterns		2010/ 1st QTR Wages		
SOC Code	Occupational Title	May 2009 Employment Estimates	Mean Hourly Wage	Mean Annual Wage
27-1024	Graphic Designers	40	26.47	55,053.00
27-1025	Interior Designers	(3)	37.29	77,569.00
29-9011	Occupational Health and Safety Specialists	(3)	37.18	77,344.00
33-9032	Security Guards	(3)	12.84	26,704.00
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	(3)	33.34	69,362.00
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	230	12.18	25,343.00
37-2012	Maids and Housekeeping Cleaners	(3)	12.93	26,901.00
37-3011	Landscaping and Groundskeeping Workers	90	15.38	31,992.00
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	30	46.80	97,342.00
41-3099	Sales Representatives, Services, All Other	1470	32.32	67,227.00
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific	340	30.87	64,215.00
41-9022	Real Estate Sales Agents	70	29.15	60,623.00
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1320	25.29	52,588.00
43-2011	Switchboard Operators, Including Answering Service	(3)	15.30	31,826.00
43-3021	Billing and Posting Clerks and Machine Operators	180	17.92	37,275.00
43-3031	Bookkeeping, Accounting, and Auditing Clerks	2410	20.15	41,899.00
43-3051	Payroll and Timekeeping Clerks	450	19.72	41,028.00
43-3061	Procurement Clerks	40	17.33	36,041.00
43-4051	Customer Service Representatives	280	18.35	38,168.00
43-4071	File Clerks	130	13.46	28,002.00
43-4151	Order Clerks	(3)	15.89	33,049.00
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	110	21.32	44,360.00
43-4171	Receptionists and Information Clerks	710	15.14	31,489.00
43-5032	Dispatchers, Except Police, Fire, and Ambulance	850	17.92	37,265.00
43-5061	Production, Planning, and Expediting Clerks	650	24.97	51,939.00
43-5081	Stock Clerks and Order Fillers	270	14.91	31,000.00
43-6011	Executive Secretaries and Administrative Assistants	1650	22.65	47,117.00
43-6014	Secretaries, Except Legal, Medical, and Executive	2010	15.73	32,726.00
43-9061	Office Clerks, General	4100	13.78	28,679.00
43-9199	Office and Administrative Support Workers, All Other	(3)	14.21	29,550.00
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	7520	33.89	70,484.00
47-2021	Brickmasons and Blockmasons	(3)	25.78	53,635.00
47-2022	Stonemasons	530	23.35	48,572.00

Los Angeles County-(Los Angeles-Long Beach-Glendale)-Staffing Patterns		2010/ 1st QTR Wages		
SOC Code	Occupational Title	May 2009 Employment Estimates	Mean Hourly Wage	Mean Annual Wage
47-2031	Carpenters	10570	24.28	50,503.00
47-2041	Carpet Installers	900	19.24	40,014.00
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	370	22.71	47,232.00
47-2044	Tile and Marble Setters	1470	21.12	43,929.00
47-2051	Cement Masons and Concrete Finishers	3450	25.97	54,003.00
47-2061	Construction Laborers	17650	19.20	39,942.00
47-2071	Paving, Surfacing, and Tamping Equipment Operators	180	33.66	70,009.00
47-2073	Operating Engineers and Other Construction Equipment Operators	3070	34.13	70,996.00
47-2081	Drywall and Ceiling Tile Installers	4730	23.18	48,218.00
47-2082	Tapers	660	23.43	48,739.00
47-2111	Electricians	8240	24.89	51,771.00
47-2121	Glaziers	900	25.55	53,139.00
47-2132	Insulation Workers, Mechanical	410	22.02	45,813.00
47-2141	Painters, Construction and Maintenance	4050	17.36	36,106.00
47-2151	Pipelayers	310	25.67	53,401.00
47-2152	Plumbers, Pipefitters, and Steamfitters	5920	24.27	50,485.00
47-2161	Plasterers and Stucco Masons	2070	21.64	45,010.00
47-2171	Reinforcing Iron and Rebar Workers	(3)	15.46	32,144.00
47-2181	Roofers	(3)	23.00	47,845.00
47-2211	Sheet Metal Workers	1570	26.44	54,999.00
47-2221	Structural Iron and Steel Workers	(3)	26.31	54,729.00
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	(3)	14.07	29,256.00
47-3012	Helpers--Carpenters	580	12.21	25,406.00
47-3013	Helpers--Electricians	1030	15.27	31,746.00
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	(3)	12.12	25,202.00
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	1490	14.01	29,133.00
47-3016	Helpers--Roofers	(3)	11.65	24,251.00
47-3019	Helpers, Construction Trades, All Other	(3)	13.08	27,213.00
47-4011	Construction and Building Inspectors	110	38.14	79,334.00
47-4021	Elevator Installers and Repairers	(3)	39.08	81,281.00
47-4031	Fence Erectors	(3)	18.34	38,141.00
47-4099	Construction and Related Workers, All Other	360	18.91	39,328.00
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	780	33.80	70,320.00

Los Angeles County-(Los Angeles-Long Beach-Glendale)-Staffing Patterns		2010/ 1st QTR Wages		
SOC Code	Occupational Title	May 2009 Employment Estimates	Mean Hourly Wage	Mean Annual Wage
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	730	17.85	37,126.00
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	(3)	20.88	43,441.00
49-2098	Security and Fire Alarm Systems Installers	(3)	21.40	44,514.00
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	90	25.89	53,857.00
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	200	30.84	64,144.00
49-9011	Mechanical Door Repairers	140	20.39	42,398.00
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2780	22.50	46,792.00
49-9042	Maintenance and Repair Workers, General	460	22.38	46,554.00
49-9044	Millwrights	(3)	28.26	58,780.00
49-9051	Electrical Power-Line Installers and Repairers	(3)	22.54	46,889.00
49-9052	Telecommunications Line Installers and Repairers	1860	20.32	42,285.00
49-9098	Helpers--Installation, Maintenance, and Repair Workers	620	13.33	27,721.00
49-9099	Installation, Maintenance, and Repair Workers, All Other	(3)	14.04	29,202.00
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	90	39.61	82,383.00
51-2041	Structural Metal Fabricators and Fitters	270	18.30	38,072.00
51-2099	Assemblers and Fabricators, All Other	60	13.26	27,592.00
51-4121	Welders, Cutters, Solderers, and Brazers	830	21.40	44,524.00
51-7011	Cabinetmakers and Bench Carpenters	180	17.76	36,952.00
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	50	15.12	31,437.00
51-9198	Helpers--Production Workers	(3)	9.23	19,191.00
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	30	29.38	61,123.00
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and V	(3)	27.11	56,383.00
53-3032	Truck Drivers, Heavy and Tractor-Trailer	380	23.70	49,311.00
53-3033	Truck Drivers, Light or Delivery Services	480	14.95	31,093.00
53-7021	Crane and Tower Operators	(3)	36.99	76,943.00
53-7032	Excavating and Loading Machine and Dragline Operators	170	24.40	50,763.00
53-7051	Industrial Truck and Tractor Operators	110	18.33	38,131.00
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	600	14.80	30,800.00
Source: EDD/LMID,OES Staffing Patterns, www.labormarketinfo.edd.ca.gov				

Data Footnotes:

- (1) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
- (3) An estimate of employment could not be provided.

Los Angeles County-(Los Angeles-Long Beach-Glendale)-Staffing Patterns		2010/ 1st QTR Wages		
SOC Code	Occupational Title	May 2009 Employment Estimates	Mean Hourly Wage	Mean Annual Wage

(4) An estimate of wage could not be provided.

(5) There is wide variation in the number of hours worked by those employed as actors, dancers, musicians, and singers.

Many jobs are for a duration of 1 day or 1 week and it is extremely rare for a performer to have guaranteed employment for a period that exceeds 3 to 6 months.

* The survey reference dates for this data spanned from the 4th quarter 2006 to the 2nd quarter 2009. A substantial amount of the data was collected at a time when California minimum wage was below the current minimum wage of \$8.00 per hour. Since these wages were updated to 2010, and the minimum wage changed to \$8.00 per hour on January 1, 2008, wages below \$8.00 were set to \$8.00 per hour